Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimate for Special Repairs to Samudhaya Bhavana at Abbigere, in Shettyhalli Sub Division, in Ward no. 12.

Est .Cost Rs. 10.00 Lakhs

Sl. No	Description of Items	Units	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications, specification No. KBS 2.1(a) / 2.3.1 Page No. 5/ Item No. 2.1/ PWD SR 2014-15	cum							
			1	6.60	7.20	0.30	14.26		
			1	9.00	27.50	0.30	74.25		
			1	19.70	9.40	0.30	55.55		
							144.06	144.16	**20768.00**
	Basic Rate	136.00							
	Area Weightage 6%	8.16							
		144.16							
2	KSRB-2-2.2 Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5 m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead up to 50 m after breaking of clods complete as per specifications, Specification No. KBS 2.1(b) 2.3.5 Page No. 5/ Item No. 2.4/ PWD SR 2014-15	Cum							
	For pit		4	2.00	2.00	6.00	24.00		
							24.00	259.70	**6233.00**
	Basic Rate	245.00							
	Area Weightage 6%	14.70							
		259.70							

3	KSRB 4-1.4: Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs. with 40mm and down size graded granite metal coarse aggregates @ 0.86cum and fine aggregate @ 0.58cum machine mixed concrete laid in layers not exceeding 15cms. Thick, well compacted in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2. Page No. 12/ Item No. 4.4/ PWD SR 2014-15	Cum							
			1	6.60	7.20	0.15	7.13		
			1	9.00	27.50	0.15	37.13		
			1	19.70	9.40	0.15	27.78		
							72.03	4,757.28	**342667.00**
	Basic Rate	4,488.00							
	Area Weightage 6%	269.28							
		4,757.28							
4	Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC)for R.C.C works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, form works and scaffoldings to withstand pumping of concrete, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-20 (1:1.5:3) for raft foundation, column footing, main and secondary beams. Page No. 18/ Item No. 4.48/ PWD SR 2014-15								
	Flooring	cum	1	6.60	7.20	0.10	4.75		
			1	9.00	27.50	0.10	24.75		
			1	19.70	9.40	0.10	18.52		
	For pit covering		1	2.00	2.00	0.30	1.20		
							49.22	5,738.84	**282466.00**
	Basic Rate	5,414.00							
	Area Weightage 6%	324.84							
		5,738.84							
5	KSRB 15.3.1 Providing 12mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications. Page No. 109/ Item No. 15.11 / PWD SR 2014-15	Sqm							
	inside plastering								
			2	3.60		3.00	21.60		
			2	7.80		3.00	46.80		
			2	5.30		3.00	31.80		
							100.20	140.98	**14126.00**
	Basic Rate	133.00							
	Area Weightage 6%	7.98							
		140.98							

6	KSRB 15.3.13 Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering Providing and removing scaffolding, including cost of materials labour, curing complete as per specifications. Page No 110/ Item No. 15.21 / PWD SR 2014-15	Sqm							
	Celing								
			1	3.10		3.60	11.16		
			1	7.80		3.10	24.18		
			1	3.60		5.30	19.08		
							54.42	183.38	**9980.00**
	Basic Rate	173.00							
	Area Weightage 6%	10.38							
		183.38							
7	KSRB 15-16 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to given an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications with primer Page No 114/ Item No 15.53.2 / PWD SR 2014-15	Sqm							
			2	18.36		3.00	110.16		
			2	12.28		3.00	73.56		
			1	12.09		3.00	36.27		
			2	3.40		3.00	20.40		
			2	2.80		2.40	13.44		
			2	4.30		2.50	21.50		
			2	3.90		2.50	19.50		
	Toilet		2	5.80		2.50	29.00		
			2	2.00		2.50	10.00		
	Compound		2	95.00		1.60	304.00		
			2	20.00		1.00	40.00		
							677.83		
	Deductions								
	Door		1	1.80		2.30	4.14		
			4	0.90		2.10	7.56		
	Windows		12	1.80		1.20	25.92		
	Toilet		4	0.70		1.80	5.04		
							42.66		
							635.17	79.50	**50496.00**
	Basic Rate	75.00							
	Area Weightage 6%	4.50							
		79.50							

8	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Page No. 25/ Item No. 5.34/ PWD SR 2014-15	Sqm							
	Raising of Compound Wall		1	20.00		1.00	48.00		
							48.00	940.68	**45153.00**
	Basic Rate	871.00							
	Area Weightage 8%	69.68							
		940.68							
9	KSRB 15.3.1 : Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering. : Providing and removing scaffolding, including cost of materials, labour, Curing complete as per specifications. Page No. 109/ Item No. 15.15 / PWD SR 2014-15	Sqm							
	plastering Compound								
			2	20.00		1.40	56.00		
							56.00	233.20	**13059.00**
	Basic Rate	220.00							
	Area Weightage 6%	13.20							
		233.20							
10	KSRB 24.1: Removing white wash or colour wash by steel brushing and / or scraping, sand papering and preparing wall surface smooth including repairs to scraches, cost of labour complete as per specification. Specification No. KBS Page No. 124/ Item No. 16.1/ PWD SR 2014-15	Sqm							
	For Internal Walls		4	3.10		3.00	37.20		
			6	3.60		3.00	64.80		
			1	5.30		3.00	15.90		
			2	7.80		3.00	46.80		
			1	11.80		3.00	35.40		
			2	14.30		3.00	85.80		
			8	1.40		3.00	33.60		
			2	9.30		0.90	16.74		
			1	3.70		6.80	25.16		
			1	17.90		11.80	211.22		
			1	3.10		11.40	35.34		
	Toilet		8	1.45		2.20	25.52		
			8	1.10		2.20	19.36		
							652.84		
	Deductions								
	Door		1	1.80		2.30	4.14		
			4	0.90		2.10	7.56		
	Windows		12	1.80		1.20	25.92		
	Toilet		4	0.70		1.80	5.04		

							42.66		
							610.18	5.30	3234.00
	Basic Rate	5.00							
	Area Weightage 6%	0.30							
		5.30							
11	KSRB 15-13.3 : Providing and applying two coats dry distemper of approved brand, and shade on wall surface including priming coat and whitening after throughly brooming the surface to remove all dirt, dust, mortar, drops and other foreign matter including preparing the surface, even and sand paper smooth, cost of materials, labour compieter as per specifications. Page No 123/ Item No 15.47 / PWD SR 2014-15 Extra over item 15-13.3 for applying distemper primer over ceiling and / or sloping roof as per specifications. Page No 112/ Item No 15.47.1 / PWD SR 2014-15	Sqm							
	For Internal Walls		4	3.10		3.00	37.20		
			6	3.60		3.00	64.80		
			1	5.30		3.00	15.90		
			2	7.80		3.00	46.80		
			1	11.80		3.00	35.40		
			2	14.30		3.00	85.80		
			8	1.40		3.00	33.60		
			2	9.30		0.90	16.74		
			1	3.70		6.80	25.16		
			1	17.90		11.80	211.22		
			1	3.10		11.40	35.34		
	Toilet		8	1.45		2.20	25.52		
			8	1.10		2.20	19.36		
							652.84		
	Deductions								
	Door		1	1.80		2.30	4.14		
			4	0.90		2.10	7.56		
	Windows		12	1.80		1.20	25.92		
	Toilet		4	0.70		1.80	5.04		
							42.66		
							610.18	46.64	28459.00
	Basic Rate	44.00							
	Area Weightage 6%	2.64							
		46.64							
12	Cleaning of glazed tiles.Page No. 254, Item No. 37.34	Sqm							
	Windows		1	3.70		6.80	25.16		
			1	17.90		11.80	211.22		
			1	3.10		11.40	35.34		
							271.72	48.76	13249.00
	Basic Rate	46.00							
	Area Weightage 6%	2.76							
		48.76							

13	KSRB 24-30: Removal of old broken glass panes (any thickness of size, quality or description) from wooden frames glazed with putty or fixed with beads including cost of labour complete as per specifications.from metal frames, Page No. 126/ Item No 16.26/ PWD SR 2014-15	Sqm							
	Windows		12	1.80		1.20	25.92		
							25.92	99.64	**2583.00**
	Basic Rate	94.00							
	Area Weightage 6%	5.64							
		99.64							
14	Providing and fixing 4mm thick glass panes to steel windows including T W beading of 10mm thick and 2 coats of approved paints. Page No. 253/ Item No. 37.16/ PWD SR 2014-15	Sqm							
	Windows		12	1.80		1.20	25.92		
							25.92	806.66	**20909.00**
	Basic Rate	761.00							
	Area Weightage 6%	45.66							
		806.66							
15	KSRB 24-13: Removing the old paint from steel and / or other metal surface with hand scraping and making surface even including cost of materials labour, complete as per specifications. Specification No. KBS. Page No. 125/ Item No.16.8/ PWD SR 2014-15	Sqm							
	Door		1x2	1.80		2.30	8.28		
			4x2	0.90		2.10	15.12		
	Windows		12x2	1.80		1.20	51.84		
	Toilet		4x2	0.70		1.80	10.08		
	Gate		1x2	2.00		2.00	8.00		
							93.32	47.70	**4451.00**
	Basic Rate	45.00							
	Area Weightage 6%	2.70							
		47.70							
16	KSRRB M800-7 Painting:- Providing and applying two coats of ready mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications MORTH Specification No 803 Painting on Steel Surface. Page No 177/ Item No 24.8.1/ PWD SR 2014-15	Sqm							
	Door		1x2	1.80		2.30	8.28		
			4x2	0.90		2.10	15.12		
	Windows		12x2	1.80		1.20	51.84		
	Toilet		4x2	0.70		1.80	10.08		
	Gate		1x2	2.00		2.00	8.00		
							93.32	53.00	**4946.00**
	Basic Rate	50.00							
	Area Weightage 6%	3.00							
		53.00							

17	KSRB 8.3-2 Providing and laying to required line and slope roofing with semi-corrugated (Trafford) asbestos cement sheet 6mm. thick fixed with galvanised iron J or L hooks, blots and nits 8mm dia C.I. plain and bitumen washers, over the existing purlins, rafters and trusses including cost of materials, labour, complete as per specifications Page No. 46/ Item No. 8.6/ PWD SR 2014-15	Sqm							
			1	4.30	3.9		16.77		
							16.77	403.86	**6773.00**
	Basic Rate	381.00							
	Area Weightage 6%	22.86							
		403.86							
18	KSRB 11-4 Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 Page No. 74/ Item No. 12.4/ PWD SR 2014-15	Pair							
			2				2.00		
							2.00	2311.86	**4624.00**
	Basic Rate	2,181.00							
	Area Weightage 6%	130.86							
		2,311.86							
19	KSRB 13-8.5: Providing and fixing to wall, ceiling and floor, high-density polyethylene pipes 6.00 kgf/sq.cm. working pressure 32mm outside diameter raising mains & exposed distribution pipes with special flange compression type fittings, wall clips making good the wall, ceiling a floor including cost of all materials, labour charges HOM of equipments and testing complete as per specifications. do- 110mm Page No. 91/ Item No. 13.71.4 / PWD SR 2014-15	m							
			10				10.00		
							10.00	599.96	**6000.00**
	Basic Rate	566.00							
	Area Weightage 6%	33.96							
		599.96							
20	Providing & Fixing Brass Union 20mm nominal bore with PVC connection pipe 300mm length page No XXIII. I-634.	Each							
			10				10.00		
							10.00	185.50	**1,855.00**
	Basic Rate	175.00							
	Area Weightage 6%	10.50							
		185.50							
21	Providing & Fixing C.P. Brass tap with Union. p No XXVI. I-711	Each							

			10				10.00		
							10.00	302.10	**3021.00**
	Basic Rate	285.00							
	Area Weightage 6%	17.10							
		302.10							
22	Providing and fixing Chorinated Poly Veniyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fitting with one step solvent cement, trenching, refilling & testing of joints complete. (External work). 40mm nominal OD pipes Page No. 94/ Item No. 13.87.5 / PWD SR 2014-15	M							
			140				140.00		
							140.00	318.00	**44520.00**
	Basic Rate	300.00							
	Area Weightage 6%	18.00							
		318.00							
23	Providing and laying reinforced cement concrete pipe NP2 for culverts including pointing ends and fixing collars with cement mortar 1:2 including cost of all materials, labour, curring complete as per specifications. Specification No. KSRB 1000, 2300 MOST 1200mm dai Specification No. 1000/2300 Page No. 245/ Item No. 34.7.8/ PWD SR 2014-15	mt							
			1	6.00			6.00		
							6.00	6473.42	**38841.00**
	Basic Rate	6,107.00							
	Area Weightage 6%	366.42							
		6,473.42							
24	KSRB 8.6-6: Providing & fixing on wall surface 2.5 Kg/sq.cm H.D.P.E rain down water pipes 110mm outer dia approved make & brand with necessary specials like shoes,bends & offsets fixed with iron clamps ,wall plugs screws, including cost of materials labour, complete as per specifications.(P.No.47 I No.8.17 of PW P&IWTD SR 2014-15)	Rmt							
			5	--	--	3.50	17.50		
							17.50	503.50	**8811.00**
	Basic Rate	475.00							
	Area Weightage 6%	28.50							
		503.50							

25	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.147 I.18.57/1)	Cum							
	Qty Vide Item No=1+2						168.06		
	Qty Limited to						**168.06**	72.71	**12219.00**
	(For 10 km = 10 x 1.28 x 2.0)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							
									989443.00
26	Add 1% for Quality Control Test								9,894
27	Miscellaneous and Unforeseen Charges								663.00
								Grand Total	1,000,000
	(Rupees Ten Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2014-15
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub Division
BBMP

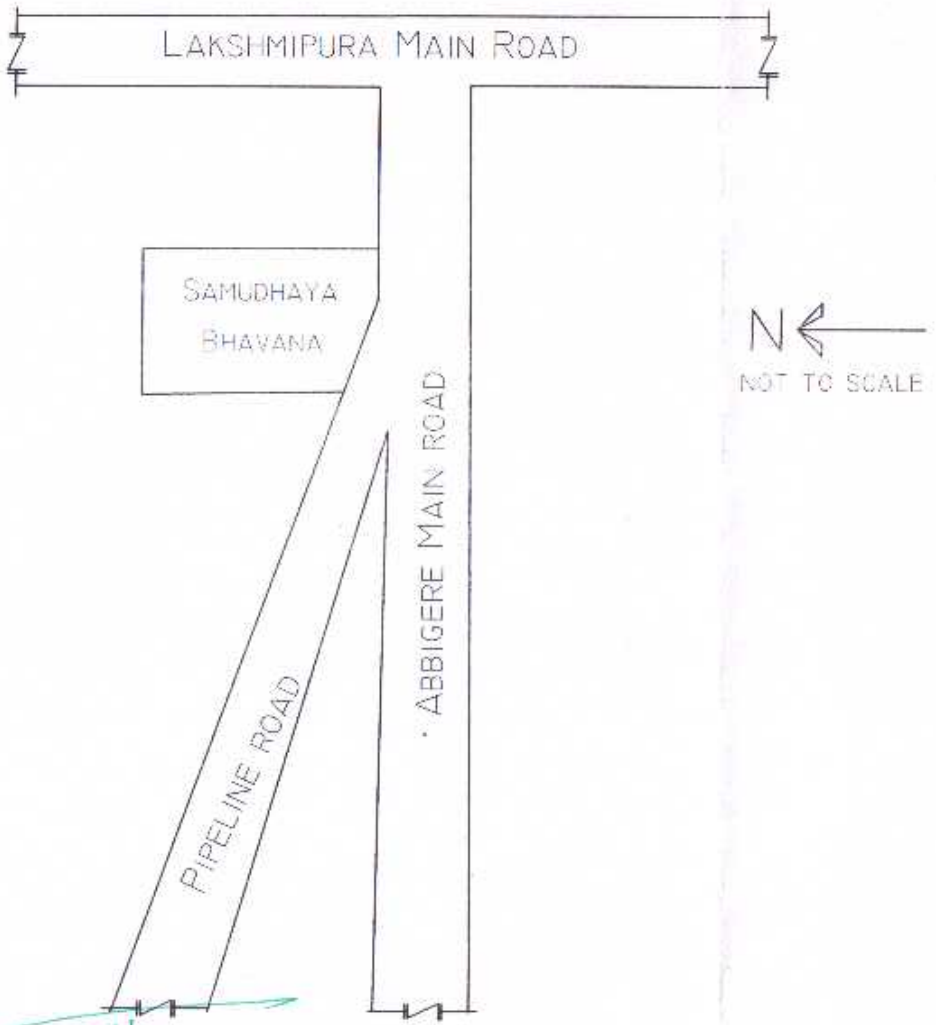
Executive Engineer
Dasarahalli Zone
BBMP

ಸಂ:EE/DD/AA/14/14-15 ದಿನಾಂಕ :29/10/2014
ರೂ.10.00 Lakhs (Rupees ten lakhs only)
29/10

ಸಂ:EE/DD/TS/64/14-15 ದಿನಾಂಕ :29/10/2014
ರೂ.10.00 Lakhs (Rupees ten lakhs only)
29/10

2

SKETCH SHOWING SPECIAL REPAIRS TO SAMUDHAYA BHAVANA AT ABBIGERE, IN WARD NO. 12, IN SHETTYHALLI SUB-DIVISION,



Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
B.B.M.P